

## PATENT COOPERATION TREATY

PCT

NOTIFICATION OF RECEIPT OF  
RECORD COPY

(PCT Rule 24.2(a))

From the INTERNATIONAL BUREAU

To:

MIURA, Yoshikazu  
Kurosusaido Kojimachi  
4, Kojimachi 5-chome  
Chiyoda-ku, Tokyo 102-0083  
Japan

Date of mailing (day/month/year) 12 February 2004 (12.02.2004)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference FDA-277PCT	International application No. PCT/JP2003/016568 ✓

The applicant is hereby notified that the International Bureau has received the record copy of the international application as detailed below.

Name(s) of the applicant(s) and State(s) for which they are applicants:

DAICEL CHEMICAL INDUSTRIES, LTD. (for all designated States except US)  
MAESHIMA, Hisashi (for US)

International filing date : 24 December 2003 (24.12.2003) ✓  
Priority date(s) claimed : 27 December 2002 (27.12.2002) ✓  
Date of receipt of the record copy  
by the International Bureau : 22 January 2004 (22.01.2004)  
List of designated Offices :

EP : AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR  
National : CN, KR, US

## ATTENTION

The applicant should carefully check the data appearing in this Notification. In case of any discrepancy between these data and the indications in the international application, the applicant should immediately inform the International Bureau.

In addition, the applicant's attention is drawn to the information contained in the Annex, relating to:

- ☒ time limits for entry into the national phase - see updated important information (as of April 2002)  
☒ confirmation of precautionary designations (if applicable)  
☒ requirements regarding priority documents (if applicable)

A copy of this Notification is being sent to the receiving Office and to the International Searching Authority.



The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. (41-22) 338.70.10	Authorized officer:  Jutaporn SUNDER (Fax 338 7010)  Telephone No. (41-22) 338 9564
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## PATENT COOPERATION TREATY

PCT

INFORMATION CONCERNING ELECTED  
OFFICES NOTIFIED OF THEIR ELECTION

(PCT Rule 61.3)

From the INTERNATIONAL BUREAU

To:

MIURA, Yoshikazu  
Kurosusaido Kojimachi  
4, Kojimachi 5-chome  
Chiyoda-ku, Tokyo 102-0083  
Japan

Date of mailing (day/month/year) 28 July 2004 (28.07.2004)		IMPORTANT INFORMATION	
Applicant's or agent's file reference FDA-277PCT			
International application No. PCT/JP2003/016568	International filing date (day/month/year) 24 December 2003 (24.12.2003)	Priority date (day/month/year) 27 December 2002 (27.12.2002)	
Applicant DAICEL CHEMICAL INDUSTRIES, LTD. et al			

1. The applicant is hereby informed that the International Bureau has, according to Article 31(7), notified each of the following Offices of its election:

EP : AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,  
SI, SK, TR  
National : CN, KR, US

2. The following Offices have waived the requirement for the notification of their election; the notification will be sent to them by the International Bureau only upon their request:

None

3. The applicant is reminded that he must enter the "national phase" before the expiration of 30 months from the priority date before each of the Offices listed above. This must be done by paying the national fee(s) and furnishing, if prescribed, a translation of the international application (Article 39(1)(a)), as well as, where applicable, by furnishing a translation of any annexes of the international preliminary examination report (Article 36(3)(b) and Rule 74.1).

Some offices have fixed time limits expiring later than the above-mentioned time limit. For detailed information about the applicable time limits and the acts to be performed upon entry into the national phase before a particular Office, see Volume II of the PCT Applicant's Guide.

The entry into the European regional phase is postponed until 31 months from the priority date for all States designated for the purposes of obtaining a European patent.



The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. (41-22) 338.70.10	Authorized officer: Farid ABBOU (Fax 338 7010) Telephone No. (41-22) 338 8169
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## PATENT COOPERATION TREATY

PCT

NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

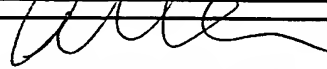
To:

MIURA, Yoshikazu  
Kurosusaido Kojimachi  
4, Kojimachi 5-chome  
Chiyoda-ku, Tokyo 102-0083  
Japan

Date of mailing (day/month/year) 10 March 2004 (10.03.2004)	
Applicant's or agent's file reference FDA-277PCT	IMPORTANT NOTIFICATION
International application No. PCT/JP2003/016568	International filing date (day/month/year) 24 December 2003 (24.12.2003)
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 27 December 2002 (27.12.2002)
Applicant DAICEL CHEMICAL INDUSTRIES, LTD. et al	

- By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to an earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- (If applicable) The letters "NR" appearing in the right-hand column denote a **priority document which, on the date of mailing of this Form, had not yet been received by the International Bureau** under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office or the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, **the attention of the applicant is directed to Rule 17.1(c)** which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- (If applicable) An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a **priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b)** (the priority document was received after the time limit prescribed in Rule 17.1(a) or the request to prepare and transmit the priority document was submitted to the receiving Office after the applicable time limit under Rule 17.1(b)). Even though the priority document was not furnished in compliance with Rule 17.1(a) or (b), the International Bureau will nevertheless transmit a copy of the document to the designated Offices, for their consideration. In case such a copy is not accepted by the designated Office as priority document, Rule 17.1(c) provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
27 Dec 2002 (27.12.2002)	2002-381563	JP	19 Febr 2004 (19.02.2004)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. (41-22) 338.70.10	Authorized officer  Althea NEVERS (Fax 338 7010)  Telephone No. (41-22) 338 8392
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## PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

## PCT

NOTICE INFORMING THE APPLICANT OF THE  
COMMUNICATION OF THE INTERNATIONAL  
APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

To:

MIURA, Yoshikazu  
Kurosusaido Kojimachi  
4, Kojimachi 5-chome  
Chiyoda-ku, Tokyo 102-0083  
JAPON

Date of mailing ( <i>day/month/year</i> ) 22 July 2004 (22.07.2004)		IMPORTANT NOTICE
Applicant's or agent's file reference FDA-277PCT		
International application No. PCT/JP2003/016568	International filing date ( <i>day/month/year</i> ) 24 December 2003 (24.12.2003)	Priority date ( <i>day/month/year</i> ) 27 December 2002 (27.12.2002)
Applicant DAICEL CHEMICAL INDUSTRIES, LTD. et al		

1. Notice is hereby given that the International Bureau has **communicated**, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this notice:

CN, EP, KR, US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

None

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this notice is a copy of the international application as published by the International Bureau on 22 July 2004 (22.07.2004) under No. WO 2004/060958

4. **TIME LIMITS for filing a demand for international preliminary examination and for entry into the national phase**

The applicable time limit for entering the national phase will, **subject to what is said in the following paragraph**, be **30 MONTHS** from the priority date, not only in respect of any elected Office if a demand for international preliminary examination is filed before the expiration of **19 months** from the priority date, but also in respect of any designated Office, in the absence of filing of such demand, where Article 22(1) as modified with effect from 1 April 2002 applies in respect of that designated Office. For further details, see *PCT Gazette* No. 44/2001 of 1 November 2001, pages 19926, 19932 and 19934, as well as the *PCT Newsletter*, October and November 2001 and February 2002 issues.

In practice, **time limits other than the 30-month time limit** will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For **regular updates on the applicable time limits** (20, 21, 30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

For filing a **demand for international preliminary examination**, see the *PCT Applicant's Guide*, Volume I/A, Chapter IX. Only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination (at present, all PCT Contracting States are bound by Chapter II).

It is the applicant's **sole responsibility** to monitor all these time limits.

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

Facsimile No.+41 22 740 14 35

Facsimile No.+41 22 338 70 10

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/16568

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> C08G59/24, C08G59/68, C08L63/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> C08G59/24, C08G59/68, C08L63/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI/L

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1172393 A1 (DAICEL CHEMICAL INDUSTRIES, LTD.), 16 January, 2002 (16.01.02), Claims; Par. Nos. [0500] to [0504] & JP 2001-172368 A Claims; Par. Nos. [0201] to [0203] & WO 01/44344 A1 & US 2003/32729 A1	1-10
X	JP 2002-338659 A (Daicel Chemical Industries, Ltd.),	1-2, 4-5,
Y	27 November, 2002 (27.11.02), Claims; Par. Nos. [0023], [0036] & WO 02/076966 A1 Claims; page 39 & EP 1389615 A1 & US 2003/59618 A1	7-10 3, 6

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search  
12 March, 2004 (12.03.04)

Date of mailing of the international search report  
23 March, 2004 (23.03.04)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/16568

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 2001-139663 A (Daicel Chemical Industries, Ltd.), 22 May, 2001 (22.05.01), Claims; Par. Nos. [0031] to [0034] (Family: none)	1-2 3-10